

FUJIFILM**Wako**

Code No. 012-28881 (100 µg)

Anti CD133, Monoclonal Antibody (CMab-43)
抗CD133, モノクローナル抗体 (CMab-43)

CD133 is a single-chain, pentaspan transmembrane glycoprotein belonging to the prominin family, also called prominin-1. It was reported as a cell surface marker for many cell types including hematopoietic stem cells, vascular endothelial progenitor cells, and neural stem cells. CD133-positive cells have also been identified in many cancers, including lung cancer, brain tumors, colorectal cancer, pancreatic cancer, and liver cancer.

Since CD133 expression is thought to contribute to tumorigenesis, metastasis, and chemotherapy resistance, it is used as a cancer stem cell marker.

This product is for laboratory use only ; use in any such application is the responsibility of the users.

[Description]

| | |
|----------------------------|---------------------------------------|
| [Reactivity] | React with human CD133. |
| [Species cross reactivity] | Human |
| [Clone No.] | CMab-43 |
| [Host] | Mouse |
| [Subclass] | IgG2a • κ |
| [Concentration] | Indicated on the label. |
| [Formulation] | PBS (pH 7.4) containing sodium azide. |

[Application]

| | |
|----------------------|---------|
| Western Blotting | 1 µg/mL |
| Flow Cytometry | 1 µg/mL |
| Immunohistochemistry | 1 µg/mL |

*Please optimize the most appropriate concentration for your analysis conditions and samples.

[Storage]

Store at -20°C.

Avoid repeated freeze and thaw.

[Package]

100 µg

[Reference]

- 1) Itai, S. *et al.*, : *Monoclon. Antib. Immunodiagn. Immunother.*, **36** (5), 231 (2017).
- 2) Kato, Y. *et al.*, : *Monoclon. Antib. Immunodiagn. Immunother.*, **38** (2), 75 (2019).

FUJIFILM Wako Pure Chemical Corporation

1-2, Doshomachi 3-Chome, Chuo-Ku, Osaka 540-8605, Japan
Telephone : + 81-6-6203-3741
Facsimile : + 81-6-6201-5964
<http://fwk.fujifilm.co.jp>

FUJIFILM Wako Chemicals U.S.A. Corporation

1600 Bellwood Road
Richmond, VA 23237
U.S.A.
Telephone : + 1-804-271-7677
Facsimile : + 1-804-271-7791
<http://www.wakousa.com>

FUJIFILM Wako Chemicals Europe GmbH

Fuggerstrasse 12
D-41468 Neuss
Germany
Telephone : + 49-2131-3111-0
Facsimile : + 49-2131-3111100
<http://www.wako-chemicals.de>